

CRUISING

**** NOTE **** Operation above Flight Level 200 is not approved.

- Power Set Per Power Table in Section 5 (Performance)
- Normal Maximum Cruise Power 75 Percent
- Mixture Controls Adjust to EGT Gauge

Adjust to 100 degrees Fahrenheit rich of peak EGT at 75 % power.
Adjust to 50 degrees Fahrenheit rich of peak EGT at 65 % power.

**** WARNING ****

Test and verify that fuel is flowing properly from all tanks.

Auxiliary/Tip fuel may be used only in level cruise flight. If aircraft is equipped with wing tip tanks, use tip tank fuel first.

Oxygen is recommended when operating aircraft above 10,000 feet MSL, and required above 12,500 feet MSL. No smoking with oxygen in use.

- Propellers Synchronize
- Engine Gauges Monitor

DESCENT

- Propeller Controls Cruise rpm
- Manifold Pressure Gauges 15 to 17 in Hg
- Airspeed Maintain Cylinder Head Temperature in Green
- Mixture Controls Enrich With Descent

APPROACH AND LANDING


- Seats Erect
- Belts and Harness Fasten and Adjust
- Electric Fuel Pumps On
- Fuel Selectors Inboard Main Tanks
- Landing Gear Selector Down Under 125 mph or 108 kt (Recommended)
- Landing Gear Indicator Green
- Wing Flaps As Required Under 100 mph or 87 kt (Recommended)
- Cowl Flaps Open
- Trim Tab Set for Landing
- Propeller Controls 2400 rpm
- Mixture Controls Enrich as Required
- GUMP Check On Final
- V_{APP} 95 mph (83 kt)

**** NOTE ****

If crosswind component is above 12 kts, use partial or no wing flaps and above normal approach speed.



Custom Checklist



CENTURY AIR

PA-30 Twin Comanche N7943Y

* Do NOT turn Master OFF with Alternators ON *

FAA Approved Part 141 Flight Training
Phone: (973) 575-4800
Toll Free: (800) 488-2368 outside of NJ only
www.centuryair.com info@centuryair.com

PREFLIGHT CABIN

All inspections _____ VERIFY

Hobbs / Tach _____ VERIFY

Documents (ARROW & MEL) _____ CHECK

Windshield _____ CLEAN

Control Lock _____ RELEASE RESTRAINT

Parking Brake _____ ON

Alternators _____ OFF

Ignition & Master _____ OFF

Altimeter _____ SET FLD ELEVATION

Landing Gear Selector _____ DOWN

Avionics Master _____ OFF

Door Seal Pump / Heater _____ OFF

Circuit Breakers _____ CHECK

Master Switch _____ ON

Fuel Gauges _____ CHECK

Interior / Exterior Lights _____ CHECK

Flaps _____ LOWER

Master Switch _____ OFF

Fuel Drains (4) _____ DRAIN (5 secs each)

RIGHT WING

Right Flap _____ CHECK

Aileron _____ CHECK MOVEMENT

Wingtip / Nav Light _____ CHECK

Wing Leading Edge _____ CHECK

Wing Tie Down _____ REMOVE

Tire and Brakes _____ CHECK

Strut and Gear Well _____ CHECK

Fuel Tanks _____ CHECK & SECURED

Oil Level _____ CHECK LEVEL (4-6 sqts)

Cowling _____ CHECK

Prop Area _____ CLEAR OF DEBRIS

Propeller / Spinner / Hub _____ CHECK

Air Inlets _____ CLEAR

NOSE SECTION

Windshield _____ CLEAN

Nose Gear & Gear Well _____ CLEAR

Tire _____ CHECK

LEFT WING

Oil Level _____ CHECK LEVEL (4-6 sqts)

Air Inlets _____ CHECK

Prop Area _____ CLEAR OF DEBRIS

Propeller / Spinner / Hub _____ CHECK

Cowling _____ CHECK

Fuel Tanks _____ CHECK & SECURED

Tire and Brakes _____ CHECK

Strut and Gear Well (Check Switch & Wires) _____ CHECK

Wing Tie Down _____ REMOVE

Wing Leading Edge _____ CHECK

Stall Warning Transmitter Switch _____ CHECK

Pilot Tube _____ CHECK

Wing Tip / Nav Light _____ CHECK

Aileron _____ CHECK MOVEMENT

Left Flap _____ CHECK

FUSELAGE AND EMPENNAGE

Antennas _____ CHECK

Left Static Vent _____ CHECK

Dorsal Fin Ventilating Inlet _____ CHECK

Control Surfaces & Trim Tab _____ CHECK MOVEMENT

Navigation Lights _____ CHECK

Tail Tie Down _____ REMOVE

Right Static Vent _____ CHECK

Baggage Door _____ CHECK SECURE

BEFORE STARTING ENGINES

Preflight _____ COMPLETE

Passenger Briefing _____ COMPLETE

Brakes _____ TEST & SET

Seat Belts _____ SECURE

Doors & Window _____ CLOSED

Fuel Selector _____ MAIN TANKS

ENGINE START

(Start #1 Engine First, then repeat for #2 Engine)

Alternators _____ OFF

Master _____ ON

Magneto _____ ON

Beacon _____ ON

Cowl Flaps _____ OPEN

Throttle _____ FULL FORWARD

Props _____ FULL FORWARD

Mixtures _____ FULL RICH

Boost Pump _____ ON (Note fuel flow)

Boost Pump _____ OFF

Throttle _____ RETARD (to 1/2 inch)

Mixture _____ IDLE CUT-OFF

Prop Area _____ Clear

Starter _____ Engage

Mixture _____ RICH (As Engine Starts)

Engine _____ IDLE (1000 RPMs)

Oil Pressure _____ GREEN

Fuel Flow _____ CHECK

Alternator _____ ON

BEFORE TAXI

Flaps _____ RETRACT

Radio Master _____ ON

Transponder _____ ALT

Flight Instrument _____ CHECK & SET

Door Seal _____ ON

Heater _____ AS REQUIRED

ATIS _____ Obtain

Mixtures _____ LEAN FOR TAXI

Lights _____ ON

Parking Brake _____ RELEASE

ENGINE RUN-UP

Nose wheel _____ STRAIGHT

Parking Brake _____ ON

Right Controls _____ FREE & CORRECT

Trim _____ NEUTRAL

Fuel Selector _____ MAIN TANKS

Cowl Flaps _____ OPEN

Mixtures _____ FULL RICH

Propeller Controls _____ FULL FORWARD

Throttle _____ 2000 RPM

Left Prop _____ CYCLE (3 times)

Right Prop _____ CHECK

Magneto (left & right) _____ CHECK

Engine Instruments _____ CHECK

Vacuum _____ CHECK (No Red Dots)

Alternators _____ CHECK

Throttle _____ 1500RPM

Left Propeller _____ FEATHER

Right Propeller _____ FEATHER

Throttle _____ IDLE

Alternate Air _____ CHECK

Throttle _____ 800-1000 RPMs

BEFORE TAKEOFF

Takeoff Brief _____ COMPLETE

Flaps _____ UP

Fuel Selector _____ MAIN TANKS

Mixtures _____ RICH

Props _____ FULL FORWARD

Avionics _____ Set To Tower

Boost Pump _____ ON

Lights _____ ON

Transponder _____ ALT

Door Seal _____ CHECK ON

TAKE-OFF

Throttles _____ FULL FORWARD

Rotate _____ 90 mph

Positive Rate _____ GEAR UP

Climb _____ BLUE LINE + 10kts

CLIMB CHECK AT 1000' AGL

Boost Pump 1 _____ OFF/Check Pressure

Boost Pump 2 _____ OFF/Check Pressure

Power _____ 25" MP & 2500 RPMs

Cruise Climb _____ 120-130 mph

CRUISE CHECK

Power _____ SET

Mixtures _____ LEAN (As Per POH)

Cowl Flaps _____ AS REQUIRED

Trim _____ CHECK

Lights _____ AS REQUIRED

BEFORE LANDING

Landing Lights _____ ON

Seat Belts _____ FASTENED

Fuel Selector _____ MAIN TANKS

Mixtures _____ RICH (As Per POH)

Landing Gear _____ DOWN (Below 150mph)

Flaps _____ SET (Below 125mph)

Boost Pumps _____ ON

Brakes _____ TEST

Props _____ FULL FORWARD

G.U.M.P. CHECK COMPLETE

AFTER LANDING / CLEAR OF RUNWAY

Boost Pumps _____ OFF

Heater _____ COOL DOWN (Fan)

Landing & Strobe Lights _____ OFF

Transponder _____ STAND-BY

Flaps _____ UP

Cowl Flaps _____ OPEN

Door Seal / Pump _____ OFF

Mixtures _____ LEAN FOR TAXI

SHUTDOWN / SECURING AIRCRAFT

Throttles _____ 1000 RPM

All Lights Except Beacon _____ OFF

Heater _____ OFF

Avionics / Radio Master _____ OFF

Mixtures _____ IDLE CUT-OFF

Magneto _____ OFF

Alternators _____ OFF

Master _____ OFF

Cowl Flaps _____ CLOSED

Hobbs & Tach _____ RECORD

Cabin / Cockpit _____ CHECK CLEAN

Flight Controls _____ SECURED

Tie-Down _____ SECURED

Vr	90 mph	Vlb	125 mph
Vmca	90 mph	Vle	150 mph
Vyso	105 mph	Vlo	150 mph
Vxse	94 mph	Va	135-162 mph
Vx	90 mph	Vgso	97 mph
Vy	112 mph	Vno	194 mph
Vso	69 mph	Vne	230 mph
Vs	75 mph	Vg	90-110 mph

Note: All V-speeds are for max gross weight under standard sea-level conditions and should be adjusted for current conditions and aircraft configuration.

Cabin / Baggage Door _____ CLOSED / LOCKED

WYLIE, WARREN